

SUMMARY OF QUALIFICATIONS

- Having over 8 years of experience as UNIX/LINUX System Administrator with expertise in Linux (RHEL 4/5/6/7), SUSE 10/11/12, Solaris 8/9/10, AIX, CentOS and Windows server 2003/2008/2012 in diverse environments.
- Expertise in configuring and administering TCP/IP, DHCP, DNS, NFS, CIFS, SAMBA, Mail Servers and Web Servers like Apache HTTP & Tomcat in heterogeneous environments.
- Having good Experience in installation, configuration and Volume/File system management using Logical Volume Manager (LVM).
- Handling day-to-day User Administration tasks like adding, deleting and modifying user data and documenting all user data in a centralized location.
- Experience working in customizing the Kickstart and Jumpstart scripts to automate the installation of various servers used for various internal projects.
- Responsible for OS maintenance activities like upgrading the OS, updating the services and third party software.
- Good experience in creating physical volume, logical volume, volume groups using LVM's in Linux.
- Good experience in MariaDB, HANA, Sybase.
- Creating and administrating file systems ext4, ext3 and NFS on Several RHEL Versions.
- Working knowledge on TCP/IP, UDP protocols in solving network related issues on the servers.
- Working knowledge on Firewall scripts and securing Linux productions systems.
- Configured Servers like DNS, DHCP, NFS, NIS, httpd, FTP, Telnet, SSH, Firewalls & Package Management using RPM, Yum.
- Good understanding of error logging subsystem and Performance Monitoring tools like vmstat, iostat, netstat on Linux.
- Great experience in performing backup and restore operation on multi platforms.
- Experience in using shell scripts for Applications, Backups and scheduling.
- Configuring & Troubleshooting NFS Servers and Clients in UNIX Environment.
- Handling issues like Disk failures, DIMM failure.
- Managed virtual servers which are in Hyper-V environment.
- Involved in Capacity Planning, Performance Analysts, Uptime and Response time analyst.
- Excellent understanding of server hardware, Peripheral devices and hardware Architecture
- Worked on startup & shutdown scripts, Crontab, File system maintenance, Backup scripts and Automation.
- Have very good experience in different ticketing tools and managing, resolving tickets.
- Excellent in patches and packages installation.
- Worked on storage technologies SAN.
- Very good knowledge on GIT and AWS.
- Experience in VMware. Installed and monitored Virtual environments with ESX servers and VirtualCenter 5.x/6.x.
- Active involvement in testing of various Linux Environments in the Development/Test Stages to help create a better standardized environment and resolutions of any problems if any occurred.
- Experienced in documenting various maintenance activities and upgrades and changes in the network architecture.

- Strong working knowledge of Router configuration
- Experience in supporting 24x7 production computing environments. Experience in providing on-call and weekend support.

TECHNICAL SKILLS:

Operating systems: RHEL 4/5/6/7, SUSE 10/11/12, Solaris 8/9/10, CentOS, AIX, Windows server 2003/2008/2012, Windows XP/7/10.

Cluster Solutions: Oracle RAC, VCS 4.0 & 5.0, Redhat Cluster Suite

Databases: Oracle, DB2, MySQL, SQL, Mariadb

Scripting language: Shell and python, bash scripting

Networking Services: NIS, DHCP, DNS, NFS, SSH, CIFS, SAMBA and Sendmail.

Ticketing Tools: Remedy, ServiceNow, 1TS

Hardware: HP, IBM Lenovo

Virtualization: VMware vSphere 5/6

Backup tools: TSM v5.3/v5.4, tar, Netapp, Cohesity, AWS Glacier.

Monitoring tools: Nagios, SNMP, Solar Winds, Cacti

Protocols: TCP/IP, UDP RIP, SNMP, SMTP, SFTP, TELNET, HTTP

PROJECTS:

State of Tennessee, Nashville, TN
Linux System Administrator

08/19 - Current

- Install and maintain Red-hot Enterprise Linux(RHEL 6,7 & 8) servers
- Provision,configure, and manage servers using VMWare, Satellite 6.X, RHDS, Ansible, and tower.
- Hands-on experience on ansible and ansible tower as configuration management tool, to automate repetitive tasks, quickly deploy critical application, and proactively manages change.
- Written Ansible playbooks to automate tasks.
- Strong working knowledge of GIT.
- Developed runbacks and playbooks and standard operational procedures.
- Shell scripting automate daily assignments.
- Performed troubleshooting on network connectivity issues.
- Strong in troubleshooting, monitoring, training and 24/7 support.

Toyota Motors, Ann Arbor, MI
LINUX/Unix Admin

04/19 - 08/19

- Install, update and test/benchmark Engineering applications as per the request.
- Monitored clusters loads, mainly performance and CPU utilization using IBM CACTI.
- Tested job application before deploying in to development environment.
- Worked on HP physical servers and monitored them using CACTI.
- Renewal of applications license and make sure all the licenses are valid up till sub project requires.
- Support other projects with performance issues, disk usage and participate in infrastructure changes.
- Make changes as per the application upgrade, parameters and MPI as per the application catalogs.

Environment: IBM LSF clusters,AIX, Automotive Engineering applications, HP, NetApp, NIS, RHEL, FLEX, SNOW, IBM CACTI, 1TS.

Varex Imaging, Salt Lake City, UT

06/17 - 03/19

LINUX/ Infra Engineer

- Installed, upgraded and patched 800+ Red Hat and SuSE Servers.
- Configure passwordless login between database servers.
- Installed and configured Sudo for users to access the root level commands.
- Granting root permission to backup Admins/DBAs to perform root related activities.
- Performed day-to-day administration tasks like User Management, Space Monitoring, Performance Monitoring and Tuning, alert log monitoring and backup monitoring.
- Managed system security using firewall/Iptables and port.
- Used HANA Database for SAP applications (ECC, BW).
- Registered all servers under Red Hat and SuSE(LTSS) network for support and downloading software.
- Upgrade SuSE OS from SLE 11 SP3 to SLE 11 SP4.
- Managed **LAMP (Linux, Apache, MySQL, MariaDB, PHP)** and DB servers and given database access for users.
- Installation, configuration, and maintenance of all database servers; working with network and system.
- Have good experience on GPFS file system.
- Co-ordinate with vendors for replacement of CPU/Memory/Mother board on Linux Servers.
- Configuration of bonding. Network trouble shooting
- Patch and package management using RPM & YUM
- Installed and configured SAMBA server for windows and Linux connectivity.
- Monitoring system resources, logs, disk usage, scheduling backups and restore
- Set up Quotas for the user accounts & limiting the disk space usage.
- Configuring SUDO and granting root permission to users for performing certain activities.
- Configure Crontab entries and update automation scripts.
- Created BASH shell scripts to automate cron jobs and system maintenance. Scheduled cron jobs for job automation.
- Work with security team to modifying application users' password policies, group policy, UID and GID assignment policies.
- Monitored the performance of the system using top, sar, ps, prstat, vmstat, netstat, iostat, and cpuinfo to check the CPU utilization, bottlenecks of I/O devices,, memory usage and network traffic.
- Performed UNIX security audits (PWC and SOX) and implemented security audits.
- Performed AD integration with SuSE servers.
- Managed IBM physical servers with IMM console and involved in physical servers hardware replacement.
- SNMP monitoring tool setup.
- Installed and configured Cadence tool on RHEL7.
- Have experience with different filesystems(XFS, ext4, GPFS,..etc)
- Configured and managed Samba and SFTP Server.
- Worked with DBA on the installation and configuration of MariaDB.
- Shell scripting to automate daily assignments.
- Performed troubleshooting on network connectivity issues.

- Strong in troubleshooting, monitoring, training and 24/7 production support in mission critical environments.
- Experience in creating physical volume, logical volume, volume groups and LV, PV extensions.

Environment: Red Hat Enterprise Linux 6/7, SUSE 11/12, SAP, Cohesity, Glacier, Netapp, AWS, VMWare vSphere 5, HANA boxes, Mariadb, TSM, SolarWinds, Solar Winds, Service-now, putty, MobaXterm, winscp, Python, shell scripting.

Caterpillar, Nashville, TN

06/15- 05/17

System Administrator

- Installation, configuration & upgrade of 2000+ Red Hat Enterprise Linux (RHEL and SUSE) operating systems.
- Experience in configuring Red Hat Cluster Suite, Veritas Cluster Server.
- Installation of patches and other software packages.
- Configuration of NIS, NIS+, DNS, NFS, Sendmail, Samba, Apache for multiple environments.
- Monitoring System performance and do kernel tuning to enhance the system Performance.
- Setup and maintained DNS Primary, Secondary, Cache-only servers, DHCP servers and DNS clients.
- Worked together with DBA team to build the startup and shutdown scripts for DB2 databases.
- Installation and configuration of Veritas Volume Manager, LVM, Veritas File System and Veritas Cluster Server.
- Troubleshoot network connectivity used ping, netstat, ifconfig, and trace route commands. Login to the remote system using sudo, putty, and telnet. Transfer files across the systems on the network used ftp, scp, and rsync commands.
- Setting up CRON jobs for backups and monitoring on Linux servers.
- Expertise in Performance Monitoring and Performance Tuning using Top, prstat, SAR, vmstat, ps, iostat etc.
- Exposure with Security issues like Quotas, RBAC, Setuid, Setgid and Sticky bit on sun servers.
- Configured Users & Security administration, backup, recovery and maintenance of various activities.
- Creating and maintaining Users, Disk space, LVMs and Process Monitoring in Red Hat Enterprise Linux.
- Package management using RPM and errata using UP2DATE in Red Hat Enterprise Linux.
- Installed patches, packages and SSL certificates on all web servers.
- Experience in Setting up and configuring Install Server, Configuration Server and Boot Server for Kickstart process & performed Kickstart to install OS on Several workstations.
- Experience with Volume creation resizing and troubleshoot to the client's development/production environment using Veritas volume Manager.
- Migrated the rhel servers from 6.5 to 7.2.
- Managed Physical and Logical volumes, Volume Groups in Red Hat Enterprise Linux.
- Application & Production Support and on call support.
- Troubleshooting hardware, software and configuration problems for various protocols and topologies.
- Updated & Running the various source codes for migration & updating follow-up the release management.
- Co-ordinate with Backup Operator regarding daily backups, monitoring backup servers and perform database, application and system backup in the absence of the backup operators.

Environment: RHEL 6/7, SuSE 10/11, CentOS 7 Python, Oracle, DB2, Windows 2008 server, Jenkins, GIT, VERITAS Volume Manager, VERITAS NetBackup, Veritas Cluster Server, Exchange Mail server, Red Hat Cluster Server.

UHG, Hyderabad, India

04/13 - 01/15

UNIX / LINUX Admin

- Exposure on Apache, DNS, Samba, SSH, FTP, Tomcat, MySQL and Oracle SQL.
- Experience in User Administration, LVM, Quota management.
- Configuration of nagios server and adding hosts.
- IP Tables, csf firewall configuration and Package management.
- Networking Configuration and NIC bonding in linux.
- Installation, configuration, trouble shooting Sendmail postfix.
- Disk management (fdisk, lvm), DNS service (bind) installation and configuration.
- Created Shell scripts using (bash/python) and using text processing tools like (Grep/Sed/Awk) to ease administration tasks by automating the tasks.
- Cronjob scheduling and basic bash scripting.
- Involved in Logical Volume Management, File system Management and Package Management.
- Created new users and set password aging policies as well as file and group permissions to enforce security.
- Managing updates using Red Hat Package Manager.
- Setting up of CRON jobs for continuous task completion.
- Data Compressing, Backup and recovery using tar command.
- User Administration, User and Shell Configuration, User account management creation, deletion and assigning permission.
- Configuring Quota for Users and Groups.
- Hardening of OS as per the Application installed on server.

Environment: RHEL 6, CentOS windows 2008, Shell & Python Scripting, putty, MariaDB.

Paraxel International Pvt Ltd, Hyderabad, INDIA

09/12 - 03/13

Linux Admin

- Created and managed user/group accounts, password and setting up permissions.
- Utilizes the VI editor in accessing file contents and securely modifying them to meet specific objectives.
- Responsible for tasks like managing Disk Space and File System.
- Create, monitor & complete internal support tickets using multiple ticketing systems.
- Monitors client disk quotas and general disk space usage, conducts systems performance monitoring and tuning using different monitoring tools such as Nagios and Check_mk.
- Perform system monitoring - CPU, memory, I/O, hardware, jobs scheduling and processes management.
- Very proficient in troubleshooting system problems and ultimately solving them.
- Create and extend physical volumes, volume groups. Resize existing logical volumes for additional space requirements.
- Hands on experience using VI Editor.
- Created, managed user accounts on Linux/Unix servers, reset user passwords.
- Administered users account security through monitoring login logs for repeated failed authentication attempts.
- Monitored SU logs for unauthorized root usage and access.

- Upgraded memory, installed patches and updates to Linux/Unix servers.

Environment: RHEL 5/6, AIX 5.3, Windows 2003 server, Nagios, putty, MobaXterm, ServiceNow.

EDUCATION:

B. Tech in Electronics and communication, JNTU, Hyderabad, India